

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

SECRET

document contains information affecting the National Defense of the United States, within the meaning of Title 18, Sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law. The reproduction of this form is prohibited.

50X1

50X1

COUNTRY	USSR (Moscow Oblast)	REPORT	
SUBJECT	Non-Military Research Conducted by German Specialists at KB No. 3, Putilovo	DATE DISTR.	11 March 1954
		NO. OF PAGES	4 50X1-HUM
DATE OF INFO.			
PLACE ACQUIRED			

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

50X1-HUM

Comments:

- 1. For Krasnoarmeyskiy in Paragraph 1, read Krasnoarmeysk.
- 2. For Rostel Mash on Pages 2 and 3, read Rostselmash.

SECRET

STATE	#x	ARMY	#x	NAVY	#x	AIR	#x	FBI		AEC					
-------	----	------	----	------	----	-----	----	-----	--	-----	--	--	--	--	--

(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

50X1

50X1

CONFIDENTIAL

REPORT

50X1-HUM

COUNTRY : USSR

DATE DISTR. 18 JAN. 54

SUBJECT : Non-Military Research Conducted by German Specialists at KB No. 3, Putilovo

NO. OF PAGES 3

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW)

DATE ACQUIRED

SUPPLEMENT TO REPORT NO.

50X1-HUM

DATE OF #

THIS IS UNEVALUATED INFORMATION

50X1-HUM

INTRODUCTION

1. Until October 1949 the German specialists at KB No. 3 in Krasnoarmeyskiy were assigned to military projects [redacted] Upon the founding of the D.D.R. the Germans were abruptly withdrawn from the military projects, and until their departure in June 1952 were assigned various designing projects of a non-military nature. The only exception to this general rule was Dr. THOMSBORF who continued on military projects for sometime past 1950. Until approximately June 1952, he continued to work in close cooperation with the Soviet engineer SUDAKOV [redacted] 50X1-HUM
2. This change to non-military work was accompanied by some organizational changes as well. Prior to 1950 the Design Bureau had the designation [redacted] After that date the designation [redacted] was added. Apparently the latter referred only to material of a non-military nature and thus to projects being worked on by the German specialists. The change over manifested itself in still another way. Thus prior to 1950 the KB No. 3 had been supervised by the Armament Department of the All Union Ministry of Agricultural Machine Building; afterwards, however, the German specialists were supervised by the non-military department of the Ministry, M.S.Kh.M. (or one of them). The Soviet element of KB No. 3 which continued to work on military projects after 1952 retained [redacted] and continued to be responsible to the Armament Department of the Ministry, M.S.Kh.M. 50X1-HUM

CONFIDENTIAL

C O N F I D E N T I A L

- 2 -

50X1

SUPERVISING SOVIET AGENCIES

3. The actual assignment of projects did not, as far as I knew, come directly from the non-military department of the Ministry, M.S.Kh.M. but rather through two intermediaries. These were the All-Union Institute and the Rostel Mash. I believe that the former was the All-Union Institute of the Ministry of Agricultural Machine Building. It is however quite possible that it is one of several such Institutes of the Ministry, M.S.Kh.M.

50X1-HUM

4. During 1951 [] I visited the All-Union Institute in Moscow. I do not remember its address except that it was on the north-west periphery of Moscow. A plaque at the entrance identified the buildings as: "All-Union Institute of the Ministry of Agricultural Machine Building - Experimental Research Department." I have no further details on the organization nor can I identify personnel assigned to the installation.
5. The other issuing agency, or consumer of our agricultural designing work, was "Rostel Mash," an installation which I believe is subordinate to the Ministry, M.S.Kh.M. Contact with this concern was maintained through conferences held at KB No.3 at which Soviet representatives of "Rostel Mash" appeared in order to make new assignments or question the Germans on the designs made in response to earlier assignments. I do not have any details on the organization or personalities of this establishment, except that one unidentified Soviet representative claimed that he had been assigned to Gema, Berlin shortly after the war.

AGRICULTURAL ASSIGNMENTSRostel Mash

6. The first non-military assignments received by us from Rostel Mash dealt exclusively with agricultural machines, and are listed below:

a. Conveyer-Belt Machine

The requirements for this machine called for an output of 100,000 conveyer belts per year, calculated on the basis of 250 working days per year. The conveyer belts were to be used with harvester threshers to transmit the out produce from the slicer to the thresher. The design called for a 15 to 20 meter belt equipped with wooden strips and a few rubber or leather stoppers. A variation of this model was provided with little metal pans. The belt was to be lined on both sides with rubber-cord fabric while the belt itself was of approximately 800-mm wide canvas. The automatic assembly machine was capable of producing both the short and long belts required in threshers. I believe the conveyer belts were manufactured manually in the Soviet Union at a great cost of man-hours and industrial space. Furthermore in the past the slow pace of conveyer production has constituted a bottleneck in the production of harvester threshers, so that the machines had been leaving the assembly lines without the requisite conveyers being available. We submitted three variations of the conveyer machine. The first design called for pneumatic punch and riveting. Rostel Mash however claimed that pneumatic operation was too sudden and noisy and affected the output of the workers. They requested that instead hydraulic power be utilized. When the hydraulic

C O N F I D E N T I A L

C O N F I D E N T I A L

- 3 -

50X1

design was finally submitted, Rostel Mash again objected on the basis that the hydraulic drive would lead to difficulties during the winter as result of insufficiently heated workshops. They now requested a machine with purely mechanical drive. I pointed out that such a design would be much more expensive and would require greater dimensions and greater weight. Nevertheless they gave the order for a new design calling for full mechanical drive.

b. Transport Conveyor Machine

The second project dealt with ordinary conveyers.. These were to consist of a pair of chain links which had intermittent wooden cross strips. Included in the operation was an automatic riveting process.

All-Union Institute of Agricultural Machine Building

7. Like the assignments of "Rostel Mash", those of the All-Union Institute which were given to us during 1951 and 1952 dealt exclusively with agricultural matters. Below is a list of the projects which we worked on for the Institute:

a. Peat Pot Pressing Machine

This machine was to deposit 100,000 processed units per layer.

b. Ditch Cutter

To be mounted behind an ordinary truck, this machine was to be used in the many irrigation ditches that are to be constructed in line with the vast program calling for the irrigation of the steppes which is presently being conducted.

c. Potato Planting Machine

This machine was to guarantee a true angular plotting of potatoes along two coordinates.

d. Well Drill

A portable unit having a capacity of 60 meters, the drill was to be provided with attachments for the disposal of the dirt. This unit too was to be used in the steppes irrigation program.

e. Improvement of the Peat Pot Pressing Machine. This altered our original design to incorporate various recommendations made by the Institute.

- f. Dr. THOMSBORY was assigned a project dealing with pump installations, also to be used in the irrigation of vast areas. I believe that the installation called for two gyro pumps each having a capacity of 1,000 horsepower and a range of 500 meters. The Soviets later reduced the range requirement from 500 to 300 meters.

C O N F I D E N T I A L